

March 2016

“Tails” of Animal Sciences

“Tails” of Animal Sciences provides an outlet to share many of our accomplishments. On March 11 and 12 we hosted Explore ACES for prospective and admitted students. This event is a major component of our recruiting effort. Thanks to all who participated. Our application and “admits” numbers are running 30% greater than last year. This success happens because of the passion our students, staff, and faculty have for our academic programs. Katelyn Jones-Hamlow, our student Ambassadors, ANSC clubs, and those who led the learning activities did an awesome job. The Midwest American Society of Animal Sciences meetings were held in Des Moines, Iowa from March 13-16. A remarkable 4 of our graduate students received Midwest Section Young Scholar Awards (Zheng Zhou, Emily Arkfeld, Caroline Gonzalez, and Josh McCann). Emily Arkfeld received 2nd place in the PhD oral competition and Karli Robinson received a 3rd place award in the undergraduate poster competition. Caroline Gonzalez also received the very prestigious Stahly Outstanding Graduate Student in Swine Nutrition Award. Ryan Dilger was recipient of the Outstanding Young Researcher Award. This award was first made in 1971 to Dr. David Baker (Ryan was Dr. Baker’s last PhD student at the U of I). The last Illinois winner of this award was Dr. Rodney Johnson (Coincidentally, Dr. Johnson was Ryan Dilger’s post-doc mentor). Our great traditions continue! Our Academic Quadrathlon Team (lead by Dick Cobb and Crystal Allen) won the Lab Practicum competition and came in 4th overall. Two of our students participated in the Undergraduate Research Poster competition at the International Embryo Transfer Society meetings. Samantha Johnson placed first in that competition. Details of these award winners and their advisors are found in this issue of “Tails” of Animal Sciences.

Please take time to read through this month’s “Tails” and learn more about the great things that are happening at the University of Illinois!

Steve (and Spenser)



ILLINOIS DAIRY 4-H- PRESS RELEASE

Illinois team to national 4-H dairy contest selected

Four Illinois 4-H members claimed their spot on the 2016 National 4-H Dairy Quiz Bowl team for Illinois during the state contest held Feb. 27 at the Parke Regency Hotel and Conference Center in Bloomington where 39 youth competed for top awards.

National team members selected include Jared Dickman of Lanark in Stephenson County, Charlie Elliott of Freeport in Stephenson County, Connor Erbsen of Lanark in Carroll County, and Jordon Oellerich of Lena in Stephenson County. Alternates to the team are Grace Koester of Red Bud in Randolph County and Adam Olbrich of Harvard in McHenry County. The national contest is held in Louisville, Ky. in the fall.

The dairy quiz bowl challenges the 4-H members' knowledge and quick recall of information relating to the various aspects of dairy cattle management and dairy products. Each competition round included 12 questions presented one-on-one followed by 16 toss-up questions with bonus point options.

"The 4-H Dairy Quiz Bowl requires many hours of dedicated learning and a good understanding of the dairy industry," said Dave Fischer, retired University of Illinois Extension dairy specialist and coordinator of the Illinois 4-H dairy education program.

In addition to individual awards, youth competed as teams. The junior division was won by a team of 4-H members from Clinton and Saline counties. Members included A.J. Lenkaitis and Briley Lenkaitis, both of Eldorado; and Drew Lueking and Shana Lueking, both of Centralia. The senior division team included 4-H members from Carroll and Stephenson counties. Members included Jared Dickman and Connor Erbsen, both of Lanark; and Charles Elliott of Freeport.

Assisting Fischer with the contest were Mike Hutjens, Gene McCoy and Rod Stoll.

Attending locally were: <please include the members below from your area>

[Bond County](#) – Kaylie Huels, Taylor Huels

[Boone County](#) – Allyson Aves, Emma Carlson, Lars Carlson, Justin Irwin

[Carroll County](#) – Connor Erbsen, Delana Erbsen, Nathan Erbsen, Payton Erbsen, Dylan Houzenga, Rachel Scidmore

[Clinton County](#) – Jackson Brammeier, Drew Lueking, Shana Lueking

[Livingston County](#) – Rosalee Zehr, Wyatt Zehr

[Marion County](#) – Brady Heinzmann, Lane Heinzmann, Samantha Heinzmann

[McHenry County](#) – Ashtyn Martin, Adam Olbrich

[Randolph County](#) – Grace Koester, Matthew Koester

[Rock Island County](#) – Cassie Bohnert, Tyler Bohnert

[Saline County](#) – A.J. Lenkaitis, Briley Lenkaitis, Caden Lenkaitis

[Stephenson County](#) – Magen Busker, Rachelle Busker, Jared Dickman, Charlie Elliot, Ella Gunderson, Jorden Oellerich, Lila Sloan,

[Winnebago County](#) – Ellie Lenkaitis, Josh Wakeley, Kaycia Zimmerman

###

About 4-H: Illinois 4-H helps youth learn skills for living. University of Illinois Extension provides 4-H programs in every county in Illinois. Illinois 4-H impacts the lives of 200,000 youth each year through sustained learning clubs and groups and short-term programming.

For Further Information Contact:

Source: Dave Fischer, Retired Extension State Specialist, Dairy

News Writer: Judy Mae Bingman, Extension Media Communications Specialist, 217-300-2113

ILLINOIS 4-H HIPPOLOGY TEAM

PRESS RELEASE

When you're the best, it shows. The Illinois state 4-H horse hippology team defeated 17 teams from around the country to claim first place in the national contest held during the Eastern National 4-H Horse Roundup Nov. 8 in Louisville, Ky. Team members included Emily Shilling of Edwards County, Maddie Henderson of Clinton County, Josa Comstock of McHenry County and Lauren Cisna of Knox County.

The state team is coached by 4-H Alumnus Dana Daugherty Taylor of Macon County.

"Hippology is a 4-H knowledge contest in which horse crazy 4-H members showcase their knowledge of all things horse in several phases or testing styles," said Debra Hagstrom, University of Illinois Extension equine specialist who oversees the state 4-H hippology program. As part of the Eastern National contest, participants evaluated live horses, took a 150-question written exam, took a 50-question picture identification test, answered 150 skillathon station questions, as well as answered impromptu and prepared oral team questions.

It's been a long journey for these four young competitors, beginning in March at regional 4-H contests. They qualified for the national team based on their performance at the state contest held in April.

"Since June, they've held weekly teleconference practices and homework assignments, as well as held two face-to-face intensive practices," Hagstrom said, "all in preparation for Eastern Nationals."

The All American Quarter Horse Congress Hippology Contest in October served as a warmup for the team where they placed third overall, as well as third in both the written exam and station phases of the contest, a great accomplishment since they were without one teammate, Hagstrom said.

With a full team onboard for the Eastern Nationals, the members kept accumulating top finishes. Emily was the reserve champion high individual overall. Comstock placed fourth, Henderson placed ninth, and Cisna finished in the top 20 out of more than 70 contestants.

"The team thought they had done well," Hagstrom said, "but all of them were thrilled to walk away with the champion trophies overall when winners were announce at the awards breakfast."

As a team, they ranked third in the written exam phases. Both Shilling and Henderson tied for sixth in that division, and Comstock finished just out of the top ten, Hagstrom said.

Comstock tied for reserve champion in the live judging phase, and Shilling finished one point of out the top ten. As a team, their combined scored earned them eighth place in the judging phase, Hagstrom said.

"The girls were definitely on their game for stations," said Hagstrom. Shilling earned first place, Henderson took third place, and Comstock tied for fourth.

"The team easily took the top spot in the station phase of the contest with those outstanding individual efforts," Hagstrom said, "and hit it out of the park during team problems, earning first place by an easy margin."

The team was supported financially at the national contest by the Illinois 4-H Foundation.

Source: Debra Hagstrom, Extension Specialist, Horses, hagstrom@illinois.edu

<http://web.extension.illinois.edu/state4h/news/index.cfm?ID=32934>



Illinois 4-H State Hippology Team - 2015 Eastern National 4-H Horse Roundup Champions
(left to right) Emily Shilling (Edwards Co.), Josa Comstock (McHenry Co.), Maddie Henderson (Clinton Co.),
Lauren Cisna (Knox Co.) and coach Dana Taylor (Macon Co. 4-H alumnus)

INTERNATIONAL EMBRYO TRANSFER SOCIETY ANNUAL MEETING

Samantha Johnson and Jacob (Jake) Stewart both participated in the Undergraduate Research Poster competition at the International Embryo Transfer Society annual meeting in Louisville, KY on January 23-26, 2016. Samantha placed first in the competition with her poster entitled, *“Chondrogenic pellet cultures for cartilage tissue engineering grow by deposition of matrix and not by cellular proliferation”*. Jake placed second in the competition with his poster entitled, *“Risk of transmission of bovine leukosis virus (BLV) using seropositive bulls for in vitro fertilization embryo production”*. Both of these exceptional students represented themselves and the Department of Animal Sciences in an exemplary fashion at this important international conference. Both of these students received a travel award to attend the meeting and a cash prize along with a plaque to commemorate their achievement.

References:

Johnson, S., Milner, D., Lopez-Lake, H., Wheeler, M.B. 2016. Chondrogenic pellet cultures for cartilage tissue engineering grow by deposition of matrix and not by cellular proliferation. *Reproduction, Fertility and Development*, **28**, 254.

Stewart, J., Rubessa, M., Polkoff, K.M., Lotti, S.N., Wheeler, M.B. 2016. Risk of transmission of bovine leukosis virus (BLV) using seropositive bulls for in vitro fertilization embryo production. *Reproduction, Fertility and Development*, **28**, 255.



ON-LINE DAIRY CLASSES

Enrollment in On-Line Dairy Classes, Spring, 2016

ANCI 423, advanced dairy feeding, has 41 enrolled students (15 non-credit/ farmers, five veterinarians, ten enrolled for college credit via CITL, and 11 students for credit from the U of IL).

Mike Hutjens leads this class which included the manager from largest herd from Saudi Arabia (26,000 cows), one veterinarian from Italy, and six students from Egypt.

ANSC 435, milk quality and mastitis, has 14 students enrolled (four farmers, two veterinarians, six credit students via CITL, and two U of IL students). Dick Wallace leads this class.

Tentative fall classes for 2016 include dairy reproduction, ration building and balancing, and calf and heifer management.

STUDENT RECOGNITION

Christina Hanna, a student working with Professor Parsons, successfully defended her M. S. thesis "Phosphorus Bioavailability and Digestibility in Canola Meals Determined by Different Methods".

We wish Christina success as she starts in her new position of poultry farm and processing plant auditor with Farm Animal Care, Training, and Auditing (FACTA).

Congratulations Christina!

Caroline Gonzalez Vega, a student working with Professor Stein, successfully defended her Ph. D. thesis on "Digestibility of calcium and digestible calcium requirements in pigs". We wish Caroline success as she joins Evonik Industries in Georgia as a technical service manager.

Congratulations Caroline!

Inhuk Kwon, a student working with Professor Mackie, successfully defended his Ph. D. thesis on "Comparative whole genome transcriptional responses of Ruminococcus albus strain 7 and 8: a case for specialization and niche differentiation". We wish Inhuk success as he joins Dr. Mackie's lab as a postdoctoral affiliate.

Congratulations Inhuk!

Neil Jaworski, a student working with Professor Stein, successfully defended his Ph. D. thesis on "Understanding the utilization of energy from high-fiber diets fed to pigs". We wish Neil success as he starts a position as research scientist at Trouw Nutrition in Boxmeer, Netherlands.

Congratulations Neil!

COLLEGE OF ACES GRADUATE FELLOWSHIPS

Sarah Morrison is receiving the Jimmy Clark fellowship (Dr. Drackley's lab).

Katherine Vande Pol is receiving a JBT fellowship (Dr. Ellis' lab).

Emily Tucker is receiving a JBT fellowship (Dr. Nowak's lab).

Maci Oelschlager is receiving a Nesheim fellowship (Dr. R. Dilger's lab).

They join our 2016-2017 Nesheim fellows, Kristen Glosson (Dr. Drackley's lab), Maegan Weatherly (Dr. Cardoso's lab), and our JBT fellows, Kathryn Polkoff (Dr. Wheeler's lab) and Katelyn Detweiler (Dr. Cattai de Godoy's lab).

Congratulations to Sarah, Katherine, Emily and Maci

2016 MIDWEST AWARDS PROGRAM



Dr. Ryan Dilger was the recipient of the Outstanding Young Researcher Award presented at the awards ceremony at the 2016 ASAS Midwestern Section/ADSA Midwest Branch Joint Meeting in Des Moines, Iowa.

Congratulations Dr. Dilger!

Full press release can be found at:

<http://takingstock.asas.org/?p=18683>



Congratulations to Emily Arkfeld who was awarded second place in the PhD presentation competition at the Midwest Meeting of ASAS this week. Emily was also recognized as an ASAS Young Scholar, an award given to outstanding graduate students in animal science. Emily is advised by Dr. Dustin Boler.



Congratulations to Caroline Gonzalez who won the Stahly Outstanding Swine Nutrition Award at the Midwest Animal Science meeting. Very well deserved after lots of hard work. Caroline was also recognized as an ASAS Young Scholar. Caroline defended her PhD dissertation in the Stein Monogastric Nutrition Laboratory.

2016 Young Dairy Scholar

Zheng Zhou

2016 Animal Science Young Scholars

Emily K. Arkfeld

J. Caroline Gonzalez Vega

Joshua McCann



Karli Robinson took 3rd place in the Undergraduate Poster Competition. Karlie is advised by Dr. Phil Cardoso.

SPRING 2016 ACADEMIC DEADLINES

April 1

- Deadline to withdraw from the University and receive the minimum 40% pro-rata refund

April 4

- Priority registration for Summer and Fall 2016 begins

April 8

- Deadline to add GRAD POT B course via department office

April 15

- Deadline to drop UG POT B course via [Student Self-Service](#) without grade of W
- Deadline to drop GRAD POT B course via [Student Self-Service](#)
- Deadline to elect credit/no credit or change credit/no credit to regular grade basis in UG POT B course
- Deadline to file intent to use Campus Grade Replacement option in UG POT B course
- Deadline to drop GRAD POT 1 course without grade of W
- Deadline to elect credit/no credit or change credit/no credit to regular grade basis in GRAD POT 1 course
- Last day for GRAD students to withdraw from Spring 2016 semester without grade of W

April 25

- Open registration begins for Summer and Fall 2016

April 29

- Deadline to drop GRAD POT B course without grade of W
- Deadline to elect credit/no credit or change credit/no credit to regular grade basis for GRAD POT B course

May 4

- Last day of instruction

May 5

- Reading day (no classes, no final examinations)
- Last day for GRAD to add/drop POT B course
- Last day for GRAD to add/drop POT 1 course

May 6–13

- Final examination period

Department of Animal Sciences

Animal Sciences Laboratory

1207 West Gregory Drive

Urbana, IL 61801

217-333-3131

AnSci@illinois.edu